

**Amendment to the Claims**

1.(Currently Amended) A fluid dynamic bearing device comprising:

    a sleeve having a bearing hole;

    a shaft relatively rotatably inserted into the bearing hole; and

    a thrust bearing member fixed to an end face of the sleeve and making contact with one end face of the shaft,

    wherein a thrust-side dynamic pressure generating groove is provided at in at least one of the one end face of the shaft and the thrust bearing member,

wherein at least two radial-side dynamic pressure generating grooves for performing an action of making a lubricant flow to the thrust bearing member are provided at in at least one of an inner circumferential surface of the bearing hole of the sleeve and an outer circumferential surface of the shaft, and a lubricant pool portion, which is being larger than a clearance between the sleeve and the shaft in the two dynamic pressure generating groove-grooves and not confronting outside, is provided in a middle of between the two dynamic pressure generating grooves, and

wherein a pressure regulating hole is provided at a central portion of anthe one end face of the shaft confronting the thrust bearing member, and

the pressure regulating hole communicates with the lubricant pool portion.

**2.(Currently Amended)** A fluid dynamic bearing device comprising:

    a sleeve having a bearing hole;

    a shaft relatively rotatably inserted into the bearing hole; and

    a thrust bearing member fixed to an end face of the sleeve and  
making contact with one end face of the shaft,

    wherein a thrust-side dynamic pressure generating groove is  
provided ~~at~~ in at least one of the one end face of the shaft and the thrust  
bearing member,

wherein at least two radial-side dynamic pressure generating  
grooves for performing an action of making a lubricant flow to the thrust  
bearing member are provided ~~at~~ in at least one of an inner circumferential  
surface of the bearing hole of the sleeve and an outer circumferential surface of  
the shaft, and a lubricant pool portion, ~~being~~ which is larger than a clearance  
between the sleeve and the shaft in the two dynamic pressure generating  
groove grooves and not confronting outside, is provided ~~in a middle of~~ between  
the two dynamic pressure generating grooves, and

wherein a pressure regulating hole is provided at an outer-  
circumference neighborhood portion of the thrust-side dynamic pressure

generating groove of an the one end face of the shaft confronting the thrust bearing member, and the pressure regulating hole communicates with the lubricant pool portion.

3. **(Original)** A motor including the fluid dynamic bearing device as defined in Claim 1, wherein the sleeve or the shaft is rotated as part of a rotor.

4. **(Original)** A motor including the fluid dynamic bearing device as defined in Claim 2, wherein the sleeve or the shaft is rotated as part of a rotor.

5. **(Currently Amended)** A motor including the fluid dynamic bearing device as defined in Claim 1, wherein the pressure regulating hole is provided so that the lubricant of the lubricant pool portion iscan be moved toward the thrust plate by the dynamic pressure generating groove that is lower than the lubricant pool portion so as to be moved to a central portion of a thrust surface of the shaft, and then passing pass through the pressure regulating hole provided within the shaft to return to the lubricant pool portion original position.

6. **(Currently Amended)** A motor including the fluid dynamic bearing device as defined in Claim 2, wherein the pressure regulating hole is provided so that the lubricant of the lubricant pool portion is made to flow toward the

thrust plate by the ~~asymmetrical~~ dynamic pressure generating groove that is lower than the lubricant pool portion, so as to move ~~up~~ to the outer-circumference neighborhood portion of the dynamic pressure generating groove of the ~~thrust surface~~ one end face of the shaft, ~~and pass~~ passing through the pressure regulating hole provided within the shaft to return to the ~~original~~ position lubricant pool portion.

7. (Currently Amended) A fluid dynamic bearing device comprising:

    a sleeve having a bearing hole;  
    a shaft relatively rotatably inserted into the bearing hole;  
    a sleeve holder surrounding the sleeve; and  
    a thrust bearing member fixed to an end face of the sleeve holder and making contact with one end face of the shaft,

    wherein a thrust-side dynamic pressure generating groove is provided ~~at~~in at least one of the one end face of the shaft and the thrust bearing member,

wherein at least two radial-side dynamic pressure generating grooves for performing an action of making a lubricant flow to the thrust bearing member are provided ~~at~~in at least one of an inner circumferential surface of the bearing hole of the sleeve and an outer circumferential surface of

the shaft, and

wherein a lubricant pool portion, which is being larger than a clearance between the sleeve and the shaft in the two dynamic pressure generating grooves and does not confront ~~confronting~~ outside, is provided between in a middle of the two dynamic pressure generating grooves,

wherein a narrow gap portion is provided between the sleeve and the thrust bearing member; and

wherein a pressure regulating hole is provided in an the one end face of the sleeve confronting the thrust bearing member, and which the pressure regulating hole communicates with the lubricant pool portion, and the sleeve holder is made of a material that is smaller in linear expansion coefficient than the sleeve.

**8.(Original)** A fluid dynamic bearing device according to Claim 7, wherein an axial length of the sleeve is set to not more than 20 mm, a clearance of the narrow gap portion is sized to 1/500 to 1/1000, compared with the axial length of the sleeve, and a difference in linear expansion coefficient between a material of the sleeve and the material of the sleeve holder is set to  $5.0 \times 10^{-6}$  to  $10.0 \times 10^{-6}$ .

**9.(Original)** A motor including the fluid dynamic bearing device as defined

in Claim 7, wherein the sleeve or the shaft is rotated as part of a rotor.

**10.(Original)** A motor including the fluid dynamic bearing device as defined in Claim 8, wherein the sleeve or the shaft is rotated as part of a rotor.

**11.(Original)** A motor including the fluid dynamic bearing device, as defined in Claim 8, wherein when a temperature of working environment of the fluid dynamic bearing device is changed, the narrow gap for adjusting the thrust pressure is changed by a difference in linear expansion coefficient between the sleeve and the sleeve holder in such a direction that a thrust floating amount is adjusted, in response to changes in thrust pressure due to increases and decreases of a viscosity of the lubricant.